

Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-14. (Cancelled)

15. (Withdrawn) An expandable bore trocar/cannula, comprising: an expandable cannula body, wherein the cannula body has an interior channel with a diameter, wherein the cannula body is capable of flexing so as to increase or decrease the diameter of the cannula body, and wherein the cannula body comprises an expandable spring cannula, the spring cannula comprising at least one rigid element formed in the shape of a helix and having a center channel, and a flexible material attached to the rigid element to form at least a portion of a cylinder surrounding the center channel.

16. (Withdrawn) An expandable bore trocar/cannula, comprising: an expandable cannula body, wherein the cannula body has an interior channel with a diameter, wherein the cannula body is capable of flexing so as to increase or decrease the diameter of the cannula body, and wherein the cannula body comprises a rotating cannula, the rotating cannula having at least a first and a second rigid element which comprise a portion of a cylinder arc, the first and second rigid elements being concentric to a center line of the rotating cannula, with the second rigid element being capable of rotating around the center line.

17. (Withdrawn) An expandable bore trocar/cannula, comprising: an expandable cannula body, wherein the cannula body has an interior channel with a diameter, wherein the cannula body is capable of flexing so as to increase or decrease the diameter of the cannula body, and wherein the cannula body comprises a ribbon spring, the ribbon spring comprising at least one rigid element formed in the shape of a helix and having a center channel.

18. (Withdrawn) An expandable bore trocar/cannula, comprising: an expandable cannula body, wherein the cannula body has an interior channel with a diameter, wherein the cannula body is capable of flexing so as to increase or decrease the diameter of the cannula body, and wherein the cannula body comprises a rolled cannula, the rolled cannula comprising at least one sheet of rigid material having a first longitudinal side and a second longitudinal side, the sheet being formed into the shape of a cylinder and having a center channel with a diameter, the sheet overlapping at the first and second longitudinal sides so as to allow the diameter to be varied.

19. (Withdrawn) A delivery apparatus for use with one of a trocar and a cannula comprising: a delivery shell configured to be grasped by a user;

- Wherein the delivery shell includes a channel, and a nose extending outward from the shell, the nose having a bore therethrough aligned with the channel, wherein the channel and bore are configured for insertion of the trocar or cannula therethrough;
- The delivery apparatus further comprising a withdrawal mechanism proximate the channel, which is configured to cooperate with a retraction head of the trocar or cannula, and which includes at least one handle, wherein the handle facilitates the passage of the trocar or cannula through the channel and bore, and out of the delivery apparatus through the nose.

20. (Currently Amended) An expandable cannula body capable of flexing so as to increase or decrease the diameter of the cannula body, the cannula body comprising:
an interior channel with a diameter; and,

a plurality of split splines forming a shaft having a puncture tip and each split spline having a length and being separated from an adjacent spline by a separation traversing a distance less than the length of the splines, the splines being at least partially embedded in a flex material.

21. (Currently Amended) An expandable cannula body capable of flexing so as to increase or decrease the diameter of the cannula body, the cannula body comprising:

 a plurality of splines forming a shaft having a puncture tip and a retraction head, the puncture tip having a first diameter and the retraction head having a second diameter larger than the first diameter,

 each spline from the plurality of splines being separated from an adjacent spline by a separation traversing from the puncture tip to a point less than a distance from the puncture tip to the retraction head, the splines being at least partially embedded in a flex material.

22. (Previously Presented) The cannula body of claim 21 further comprising:

 the splines from the plurality of splines being spaced evenly around a circumference of the shaft.

23. (Previously Presented) The cannula body of claim 22 further comprising:

 the plurality of splines comprising at least four splines.

24. (Previously Presented) The cannula body of claim 21 further comprising:

 a first and a second spline from the plurality of splines, the first spline located opposite the second spline on a circumference of the shaft, the first and second splines being substantially inflexible,

 a third and a fourth spline from the plurality of splines, the third spline located opposite the fourth spline on the circumference of the shaft, the third and fourth splines being substantially flexible.

25. (Previously Presented) The cannula body of claim 21 further comprising:
a first spline from the plurality of splines having a first arc length,
a second spline from the plurality of splines having a second arc length greater than the first arc length.

26. (Currently Amended) An expandable cannula body capable of flexing so as to increase or decrease the diameter of the cannula body, the cannula body comprising:
a first spline having a first arc length and being separated from a second spline by a first separation, the second spline having a second arc length and being separate from a third spline by a second separation, the third spline being having a third arc length and being separated from a fourth spline by a third separation, the fourth spline having a fourth arc length and being separated from the first spline by a fourth separation, the splines being at least partially embedded in a flex material,
the first spline, the second spline, the third spline and the fourth spline each having a tip and a head, the heads of the splines forming a tapered cylindrical shaft, the tips of the splines forming a puncture tip, and the separations traversing from the puncture tip to a point less than a distance from the tips to the heads.

27. (Previously Presented) The cannula body of claim 26 further comprising:
the first arc length and the third arc length being substantially equal.

28. (Previously Presented) The cannula body of claim 27 further comprising:
the second arc length and the fourth arc length being substantially equal and greater than the first arc length.

29. (New) The cannula body of claim 20 wherein the flex material is selected from the group consisting of: silicon; rubber; elastomeric neoprene; latex; and, elastomeric plastic.
30. (New) The cannula body of claim 20 wherein the splines and the flex material form a composite wall.
31. (New) The cannula body of claim 21 wherein the flex material is selected from the group consisting of: silicon; rubber; elastomeric neoprene; latex; and, elastomeric plastic.
32. (New) The cannula body of claim 21 wherein the splines and the flex material form a composite wall.
33. (New) The cannula body of claim 26 wherein the flex material is selected from the group consisting of: silicon; rubber; elastomeric neoprene; latex; and, elastomeric plastic.
34. (New) The cannula body of claim 26 wherein the splines and flex material form a composite wall.